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(54) Title: SUSCEPTIBILITY GENE FOR MYOCARDIAL INFRACTION, STROKE, AND PAOD; METHODS OF TREATMENT

(57) Abstract: Linkage of myocardial infarction (MI) and a locus on chromosome 13q12 is disclosed. In particular, the FLAP gene within this locus is shown by genetic association analysis to be a susceptibility gene for MI and ACS, as well as stroke and PAOD. Pathway targeting for treatment and diagnostic applications in identifying those who are at risk of developing MI, ACS, stroke or PAOD, in particular are described. The invention also provides for compositions comprising a leukotriene synthesis inhibitor and a statin and methods of using these compositions to reduce C-reactive protein in a human subject at risk of MI, ACS, stroke and/or PAOD.



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